

## V. REMARKS

The Examiner is thanked for extending the courtesy of a telephone interview on September 20, 2004 during which it was pointed out that the specification is spaced by 1.5 lines. This should be acceptable according to the rules. If the Examiner persists in this objection, a double spaced copy will be provided.

The abstract has been amended to be less than 150 words and to delete the objectionable phraseology. Section headings have been added to the specification and the claims amended as requested and to better confirm to US practice including the requested subparagraph form.

Dent relates to resynchronization of encryption systems upon handoff. There is generated in first and second base stations within a network a first pseudo-random key stream of bits in accordance with an algorithm. There is generated in the mobile station a second pseudo-random key stream of bits in accordance with the algorithm. The first and second key streams are used for encrypting and decrypting information in the first and second base stations and in the mobile station respectively. In the system cryptographically encoded data (i.e. encrypted information) is transmitted on a high data rate message channel from the first base station to the mobile station and vice versa. Synchronization information is periodically transmitted on a low data rate channel (SACCH) from the first base station to the mobile station to maintain the first and second key streams in exact synchronization with one another. When there is a need for handoff, a command is sent from the first base station to the second base station and to the mobile station.

Uncryptographically encoded synchronization information is transmitted in response to the handoff command on a high data rate control channel (FACCH) from the second base station to the mobile station for a selected period of time. Synchronization information is periodically transmitted on a low data rate channel from the second base station to the mobile station. The above described handoff procedure is originated by the network, i.e., the first base station determines the need for handoff and sends the handoff command when necessary.

In the present invention the hand over is initiated by the mobile station. The mobile station informs the second base station that there is a need for handover to the second base station. During the handover procedure the second base station transmits information about the encryption key used in the second base station to the mobile station as an extra signalling. All this is recited in claims 1 and 9.

Thus the rejection of claims 1-5 and 8 under 35 USC 102 on Dent should be withdrawn.

Further since there is not the slightest suggestion of these features in Dent, these claims are unobvious over it.

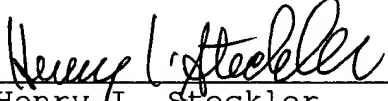
Still further, since these features are not in Kojima, the rejection of claims 6 and 14 under 35 USC 103 on Dent in view of Kojima should be withdrawn.

Similarly, Gilhousen fails to disclose these features. Thus the rejection of claims 7 and 15 under 35 USC 103 on Dent in view of Gilhousen should be withdrawn.

For all of the foregoing reasons, it is respectfully submitted that all of the claims now present in the application are clearly novel and patentable over the prior art of record, and are in proper form for allowance. Accordingly, favorable reconsideration and allowance is respectfully requested. Should any unresolved issues remain, the Examiner is invited to call Applicants' attorney at the telephone number indicated below.

A check in the amount of \$430.00 is enclosed for a 2 month extension of time. The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,

  
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Oct. 15, 2004  
Date

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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope addressed to the Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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